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The Power of Reclaimed Water

The world's population continues to grow, demanding more and more output from fewer resources. This strain is felt acutely in the power

Learn how Veolia utilized municipal effluent for West Deptford Energy Station

industry. New plants are built to accommodate the growing population's power needs, requiring more water than ever for power generation and cooling. As freshwater resources continue to dwindle, more plants are turning to reclaimed water.

Treated municipal wastewater, or reclaimed water, is one of the **most available sources for power plants** and can be an effective tool for reducing freshwater usage.

Advantages of using reclaimed water for cooling

The use of treated municipal effluent for cooling is proven and safe. In the U.S. it began in the 1970s. It's estimated that today, more than 70 of the country's power sites are using treated, reclaimed water - and not just in dry areas.

Treated municipal effluent is a **virtually risk-free source**. It has consistent quality and temperature compared to surface waters. Because secondary effluent is relatively consistent in quality, the process, design and operation of any further treatment required for reuse is simplified.

Also, the cooling tower blowdown may be able to be returned to the municipality, **eliminating one of the waste streams** needing treatment at the power plant.

Download case study

Applications:

> Cooling tower make-up
> Boiler feed water
> Service water

For more information, contact **Jill Browning** at jill.browning@veolia.com.

Visit our website at www.veoliawatertech.com

Veolia group is the global leader in optimized resource management. With over 169,000 employees worldwide, the Group designs and provides water, waste and energy management solutions that contribute to the sustainable development of communities and industries. Through its three complementary business activities, Veolia helps to develop access to resources, preserve available resources, and replenish them.

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